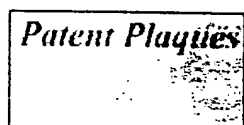




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JP8281110A: CATALYST FOR PURIFYING EXHAUST GAS AND ITS PRODUCTION

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Applicant(s): NISSAN MOTOR CO LTD



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IPC Class: B01J 023/89; B01D 053/86; B01D 053/94; B01J 023/44; B01J 023/46; B01J 023/656; B01J 029/072; B01J 037/02; B01J 037/08; F01N 003/28;

Abstract: **Purpose:** To produce a catalyst for purifying exhaust gas and to provide a producing method thereof by which NOx purification performance is increased in the lean atmosphere and a function as a ternary catalyst is fully demonstrated.

Constitution: At least one kind of noble metal selected from a group consisting of platinum, palladium and rhodium, at least one kind of transition metal selected from a group consisting of iron, cobalt and nickel, and manganese, barium and potassium are incorporated on a refractory inorganic carrier. A part or the whole of the transition metal, barium and potassium forms a multiple oxide. This catalyst consists of a catalytic layer A and a catalytic layer B which contains at least one kind of noble metal selected from a group consisting of platinum, palladium and rhodium and does not contain potassium. Furthermore, at least two pieces of catalysts are provided in the exhaust gas current of an engine and the catalyst containing zeolite carrying copper is arranged on the upstream side for an exhaust gas current and either of the two kinds of catalysts is arranged on the downstream side therefor.

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Foreign References: none